

Mancos Elementary School Play Area Renovation

Concept Design - Opinion of Probable Costs

Mancos, CO



November 11, 2016

CONSTRUCTION COSTS

DESCRIPTION	QUANT.	UNIT	COST	EXTENSION	TOTAL
SITE PREPARATION					
SITE DEMOLITION AND CLEARING					
Site Demolition and Clearing Allowance	1	LS	\$10,000.00	\$10,000	\$10,000
GRADING AND EARTHWORK					
Earthwork Allowance	1	LS	\$10,000.00	\$10,000	\$10,000
UTILITIES					
Cleanouts	4	EA	\$200.00	\$800	\$13,925
4" Perforated PVC Drainage Pipe	200	LF	\$15.00	\$3,000	
8" Solid PVC Drainage Pipe	25	LF	\$20.00	\$500	
New Dispersal Trench at Field Edge (Or connect to Existing Drainage System)	75	LF	\$75.00	\$5,625	
Water Service to Water Play Feature (3/4" copper line incl. trenching)	1	LS	\$4,000.00	\$4,000	
Site Preparation Subtotal					\$33,925
ENTRY AREA					
Note: Estimate does not include Walnut Street improvements, curb, gutter, sidewalk and parking per architect's site plans.					
PAVING					
Concrete Flatwork at Entry Area	500	SF	\$8.00	\$4,000	\$5,440
Concrete Flatwork at Walkways	240	SF	\$6.00	\$1,440	
CONCRETE/STONWORK					
Concrete steps at Entry Area	60	LF	\$55.00	\$3,300	\$3,300
LANDSCAPE					
Soil Prep & Amendment	850	SF	\$1.25	\$1,063	\$7,363
Shrubs and groundcover	850	SF	\$4.00	\$3,400	
Irrigation System (assumes connecting to existing water tap/meter)	850	SF	\$2.00	\$1,700	
Trees, 2 1/2" Caliper	2	EA	\$600.00	\$1,200	
FURNISHINGS					
Musical Sculpture (Chime Set or Similar)	1	ALLOW	\$3,000	\$3,000	\$4,600
Benches	1	EA	\$1,000.00	\$1,000	
Trash Receptacle	1	EA	\$600.00	\$600	
Entry Area Subtotal					\$20,703
RIVERWALK NATURE DISCOVERY AREA					
Note: Estimate does not include relocation of existing garden features and greenhouse.					
PAVING					
Crusher fines paving at Outdoor Classroom	350	SF	\$2.50	\$875	\$875
CONCRETE/STONWORK					
Boulders for Outdoor Classroom (Siloam Quarry Blocks 18" x 18" x 3')	20	EA	\$175	\$3,500	\$15,000
Freight for Outdoor Classroom Boulders	1	LS	\$1,500	\$1,500	
Excavation and Installation of Outdoor Classroom Boulders	1	ALLOW	\$10,000	\$10,000	
PLAY EQUIPMENT & FURNISHINGS					
Curriculum Cabinet for Outdoor Classroom	1	LS	\$1,000.00	\$1,000	\$1,000
SPECIAL CONSTRUCTION					
Pre-fabricated footbridge (8' wide x 40' long , weathering steel with wood deck)	1	LS	\$35,000	\$35,000	\$114,000
Footbridge erection and installation	1	LS	\$12,000	\$12,000	
Concrete abutments for footbridge	1	LS	\$60,000	\$60,000	
Gateway Feature to Riverwalk	1	ALLOW	\$5,000	\$5,000	
Interpretive Signage (Approx. 4)	1	ALLOW	\$2,000	\$2,000	

DESCRIPTION	QUANT.	UNIT	COST	EXTENSION	TOTAL	
FENCING						
4' high wooden open rail fencing at play area edge	280	LF	\$30	\$8,400	\$8,400	
LANDSCAPE						
Restore plants in kind where disturbed by construction	1	ALLOW	\$1,000.00	\$1,000	\$1,000	
Riverwalk Nature Discovery Area Subtotal					\$140,275	
PLAY AREA						
Note: Estimate does not include cafeteria terrace paving and grading/ pathway modifications to accommodate Gymnasium addition per architect's drawings.						
PAVING/SURFACING						
Concrete Flatwork at Walkways (6' wide)	2,200	SF	\$6.00	\$13,200	\$15,502	
Engineered Wood Fiber Play Surfacing, 12" depth	560	SF	\$3.20	\$1,792		
Play Sand, (150 sf x 18" depth)	8.5	CY	\$60	\$510		
CONCRETE CURBS,WALLS and STONEWORK						
Concrete ramp to loose fill play surfacing	3	EA	\$1,000.00	\$3,000	\$31,900	
Conc. curb edging 6" x 24" @ sand	100	LF	\$30	\$3,000		
Conc. Curb edging 6" x 16" @ engineered wood fiber (net play area)	200	LF	\$25	\$5,000		
Conc. Curb edging 6" x 16" @ engineered wood fiber (treehouse area)	300	LF	\$25	\$7,500		
Boulders for Seatwall (set) (Siloam Quarry Blocks 18" x 18" x 3')	4	EA	\$600	\$2,400		
Conc. Retaining Wall at Sand (8" wide)	40	LF	\$200	\$8,000		
Sand Dig Features at Retaining Curb Surface (Embedded and/or Sandblasted)	1	ALLOW	\$3,000.00	\$3,000		
SPECIAL CONSTRUCTION						
Willow tunnel (metal work)	1	LS	\$1,500	\$1,500	\$1,500	
PLAY EQUIPMENT & FURNISHINGS						
Treehouse Climber (BigToys Pine Structure - Wood)	1	LS	\$59,583.00	\$59,583	\$161,741	
Net Climber (Dynamo Two Towers) with Freight and Installation	1	LS	\$42,715.00	\$42,715		
Double Group Swings (Dynamo Biggo Duo) with Freight and Installation	1	LS	\$23,143.00	\$23,143		
Play House/Fort Building Structure	3	ALLOW	\$5,000.00	\$15,000		
Climbing Boulder in Sand (approx. 3' wide x 4' h x 5' long - 6 tons each)	2	EA	\$2,400	\$4,800		
Benches	4	EA	\$1,000	\$4,000		
Sculpted Log Chair	1	EA	\$2,500	\$2,500		
Art Wall Panel at Fence	1	EA	\$1,000	\$1,000		
Water Pump and Trough Play Feature at Sand Area	1	ALLOW	\$5,000	\$5,000		
Drinking Fountain	1	EA	\$4,000	\$4,000		
LANDSCAPE						
Soil Preparation and Amendments, trees, shrubs, and groundcovers (12-18" deep)	2500	SF	\$1.25	\$3,125		\$26,775
Irrigation System (assumes connecting to existing water tap/meter)	2500	SF	\$2.00	\$5,000		
Shrubs & Groundcover	2500	SF	\$4.00	\$10,000		
Lawn (Sod at Areas of Disturbance)	5000	SF	\$1.25	\$6,250		
Trees, 2 1/2" Caliper	4	EA	\$600.00	\$2,400		
Play Area Subtotal					\$237,418	
SUBTOTAL CONSTRUCTION COSTS: ALL AREAS					\$432,321	
General Conditions and Contractor Mobilization (8%)					\$34,586	
Estimating Contingency (3%)					\$12,970	
GRAND TOTAL CONSTRUCTION COSTS					\$479,876	
SOFT COSTS						
Construction Contingency (7%)					\$33,591	
Design Fee Allowance (Design Development and Construction Documents)					\$25,000	
Structural Engineering Fee Allowance for Footbridge					\$4,000	
Surveying Fee Allowance					\$2,500	
Construction Permits and Fees Allowance					\$2,000	
Bidding Costs Allowance (Bidding by Client)					\$1,000	
GRAND TOTAL PROJECT COSTS					\$547,967	